

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(803BFF)	Hex(9155FF)	Hex(A16EFF)	Hex(B288FF)	Hex(C2A1FF)	Hex(D3BBFF)	Hex(E3D4FF)	Hex(F4EEFF)	Hex(FFFFFF)
Hex(803BFF)		Ratio: 1.24 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.79 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 5.27 AA ¹ AAA 18pt ⁴
Hex(9155FF)	Ratio: 1.24 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.74 AA 18pt ²	Ratio: 4.24 AA 18pt ²
Hex(A16EFF)	Ratio: 1.55 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.39 AA 18pt ²
Hex(B288FF)	Ratio: 1.97 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.67 Failed ⁵
Hex(C2A1FF)	Ratio: 2.47 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(D3BBFF)	Ratio: 3.09 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(E3D4FF)	Ratio: 3.79 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(F4EEFF)	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(FFFFFF)	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 4.24 AA 18pt ²	Ratio: 3.39 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.13 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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